

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052323\
 Data File : VN077844.D
 Acq On : 24 May 2023 06:37
 Operator : JC\MD
 Sample : PB152982ZHE#06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB152982ZHE#06

Quant Time: May 24 08:19:12 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051523W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 16 04:07:42 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

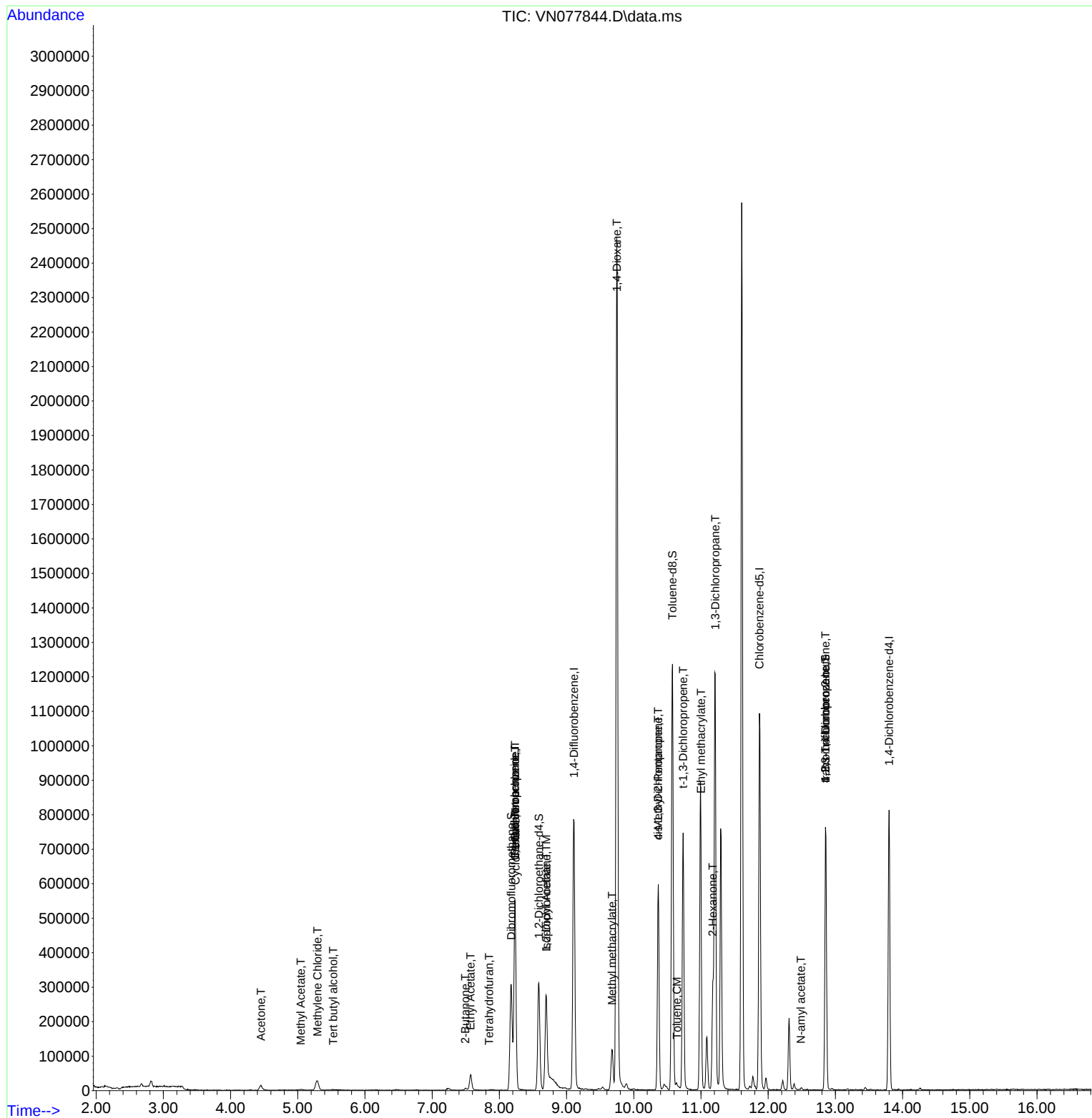
Internal Standards						
1) Pentafluorobenzene	8.230	168	389918	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	718521	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	658447	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	220852	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	260861	44.713	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	89.420%		
35) Dibromofluoromethane	8.177	113	227150	48.480	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.960%		
50) Toluene-d8	10.576	98	910191	50.470	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	100.940%		
62) 4-Bromofluorobenzene	12.853	95	272126	42.724	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	85.440%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.377	50	1032	Below Cal	#	83
11) Tert butyl alcohol	5.530	59	1238	1.538	ug/l #	72
13) Acrolein	4.183	56	241	Below Cal	#	16
16) Acetone	4.453	43	26862	14.635	ug/l	92
18) Methyl Acetate	5.047	43	5182	0.673	ug/l #	88
20) Methylene Chloride	5.294	84	23774	3.124	ug/l #	86
25) 2-Butanone	7.494	43	7220	2.515	ug/l	98
29) Tetrahydrofuran	7.847	42	767	0.408	ug/l #	43
31) Cyclohexane	8.241	56	9321	1.175	ug/l #	55
36) 1,1-Dichloropropene	8.235	75	33481	4.886	ug/l #	48
37) Ethyl Acetate	7.571	43	62580	10.245	ug/l	96
38) Carbon Tetrachloride	8.235	117	43796	6.329	ug/l #	16
42) 1,2-Dichloroethane	8.700	62	1869	0.254	ug/l #	73
43) Isopropyl Acetate	8.700	43	350379	35.118	ug/l #	79
48) Methyl methacrylate	9.677	41	7927	1.676	ug/l #	29
49) 1,4-Dioxane	9.747	88	328	3.671	ug/l #	1
51) 4-Methyl-2-Pentanone	10.365	43	211156	35.605	ug/l #	42
52) Toluene	10.641	92	5281	0.419	ug/l	86
53) t-1,3-Dichloropropene	10.735	75	2194	0.293	ug/l #	81
54) cis-1,3-Dichloropropene	10.365	75	112243	13.610	ug/l #	67
56) Ethyl methacrylate	11.000	69	3071	0.406	ug/l #	1
57) 1,3-Dichloropropane	11.212	76	13836	1.614	ug/l #	42
59) 2-Hexanone	11.176	43	236558	53.927	ug/l #	19
74) N-amyl acetate	12.488	43	5254	0.747	ug/l #	43
76) 1,2,3-Trichloropropane	12.853	75	141742	25.627	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	141742	81.918	ug/l #	15

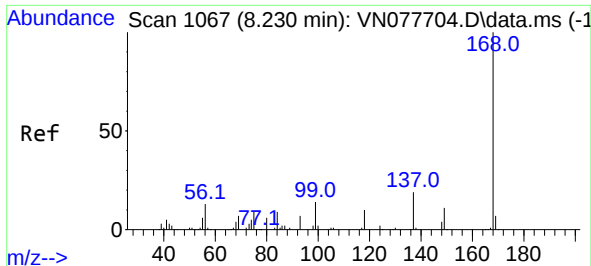
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052323\
Data File : VN077844.D
Acq On : 24 May 2023 06:37
Operator : JC\MD
Sample : PB152982ZHE#06
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 45 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
PB152982ZHE#06

Quant Time: May 24 08:19:12 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051523W.M
Quant Title : SW846 8260
QLast Update : Tue May 16 04:07:42 2023
Response via : Initial Calibration

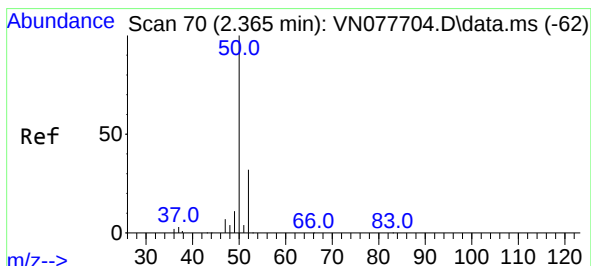
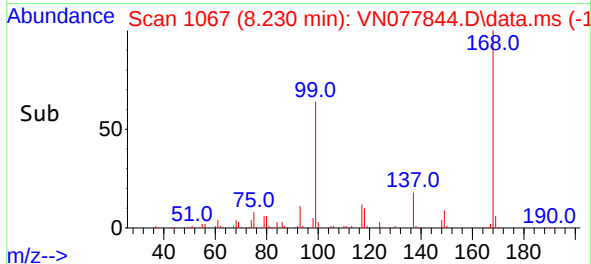
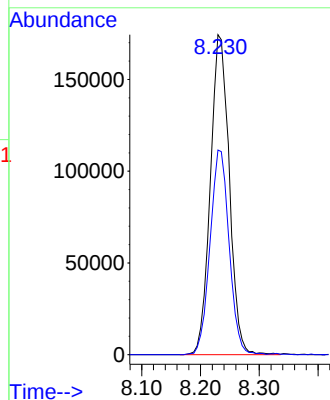
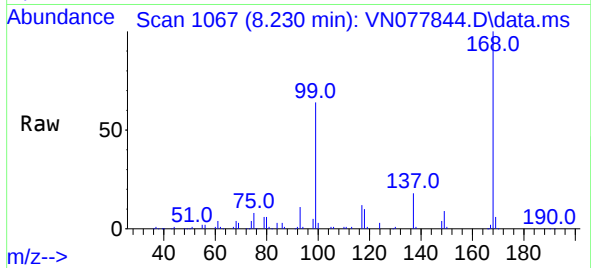




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN077844.D
Acq: 24 May 2023 06:37

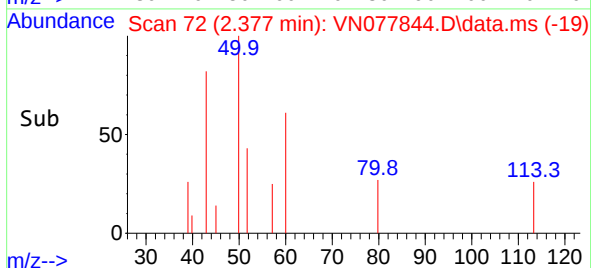
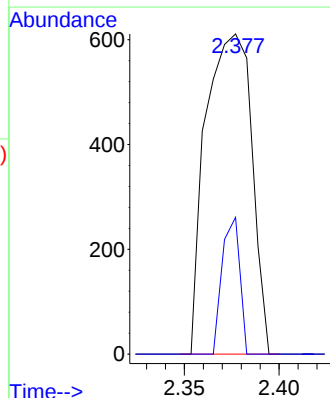
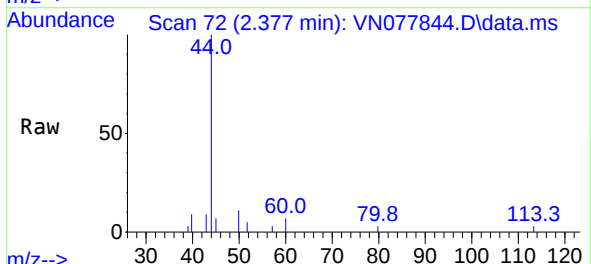
Instrument :
MSVOA_N
ClientSampleId :
PB152982ZHE#06

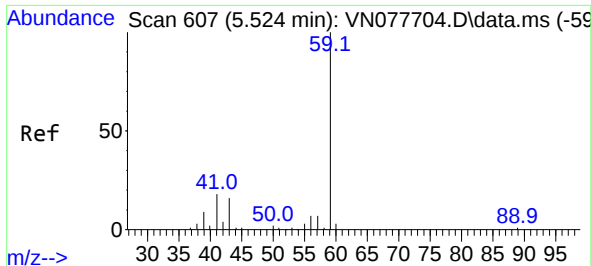
Tgt Ion:168 Resp: 389918
Ion Ratio Lower Upper
168 100
99 64.0 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.377 min Scan# 72
Delta R.T. 0.012 min
Lab File: VN077844.D
Acq: 24 May 2023 06:37

Tgt Ion: 50 Resp: 1032
Ion Ratio Lower Upper
50 100
52 42.7 26.5 39.7#

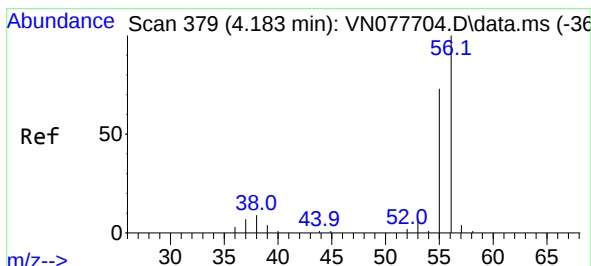
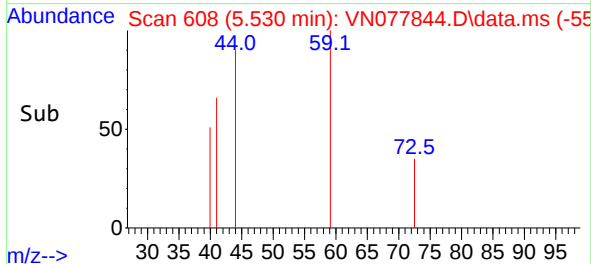
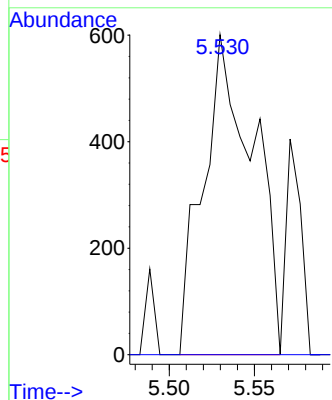
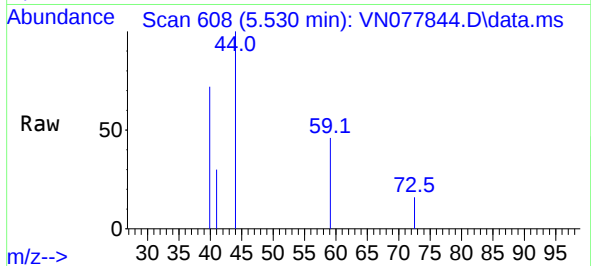




#11
Tert butyl alcohol
Concen: 1.538 ug/l
RT: 5.530 min Scan# 607
Delta R.T. -0.000 min
Lab File: VN077844.D
Acq: 24 May 2023 06:37

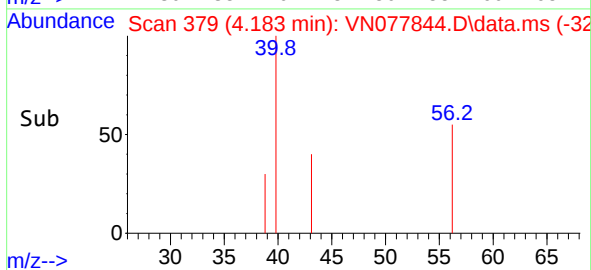
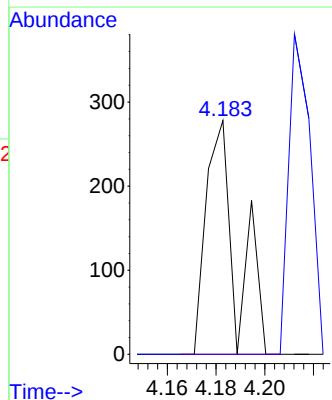
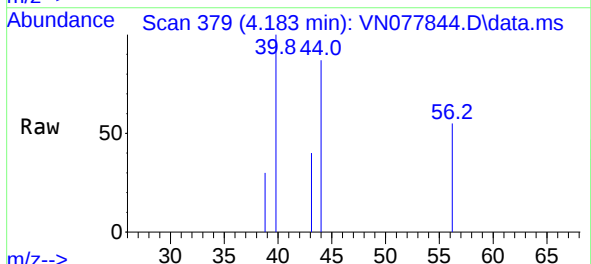
Instrument :
MSVOA_N
ClientSampleId :
PB152982ZHE#06

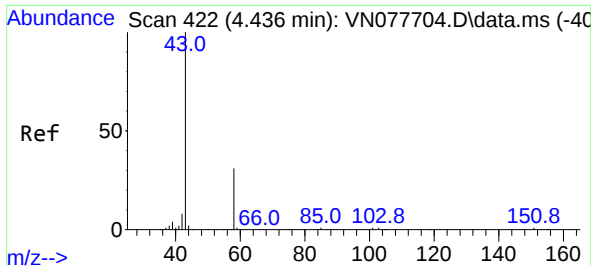
Tgt Ion: 59 Resp: 1238
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#13
Acrolein
Concen: Below Cal
RT: 4.183 min Scan# 379
Delta R.T. -0.006 min
Lab File: VN077844.D
Acq: 24 May 2023 06:37

Tgt Ion: 56 Resp: 241
Ion Ratio Lower Upper
56 100
55 0.0 54.5 81.7#

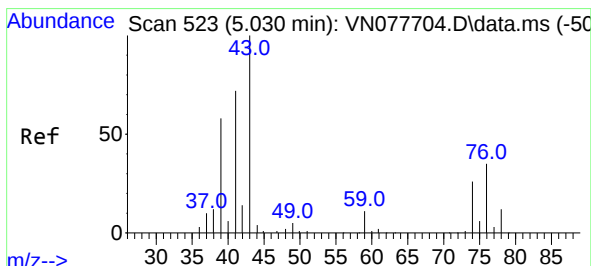
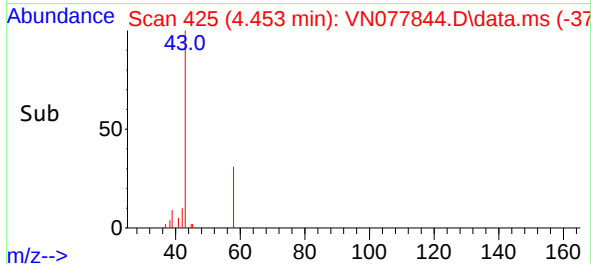
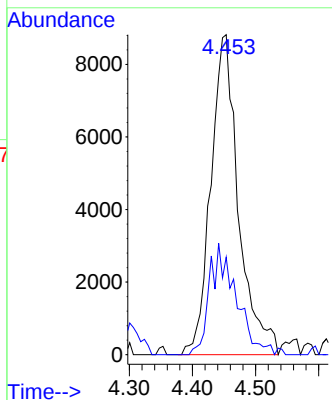
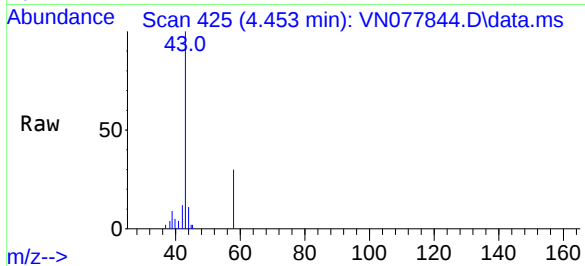




#16
Acetone
Concen: 14.635 ug/l
RT: 4.453 min Scan# 41
Delta R.T. 0.023 min
Lab File: VN077844.D
Acq: 24 May 2023 06:37

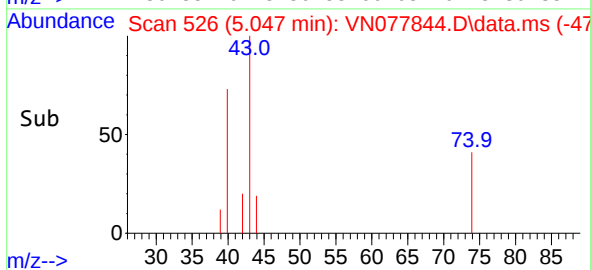
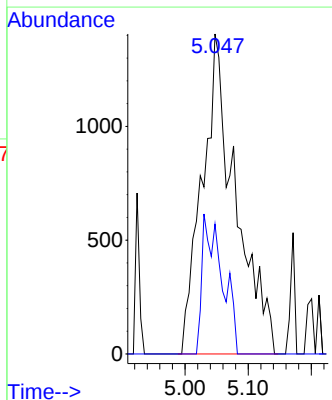
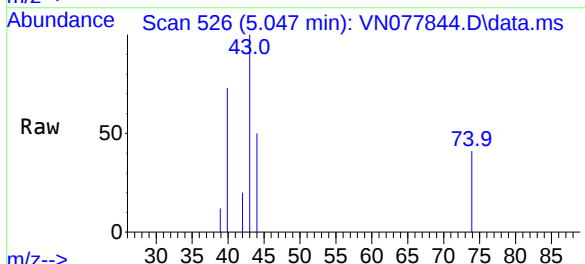
Instrument :
MSVOA_N
ClientSampleId :
PB152982ZHE#06

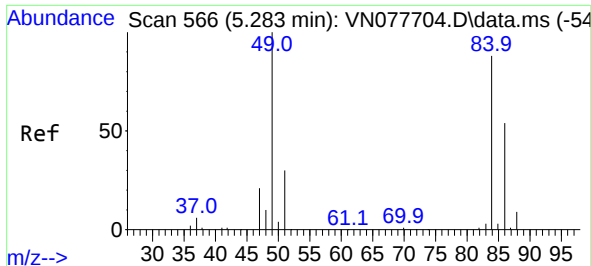
Tgt Ion: 43 Resp: 26862
Ion Ratio Lower Upper
43 100
58 30.4 28.0 42.0



#18
Methyl Acetate
Concen: 0.673 ug/l
RT: 5.047 min Scan# 526
Delta R.T. 0.011 min
Lab File: VN077844.D
Acq: 24 May 2023 06:37

Tgt Ion: 43 Resp: 5182
Ion Ratio Lower Upper
43 100
74 25.9 26.2 39.4#



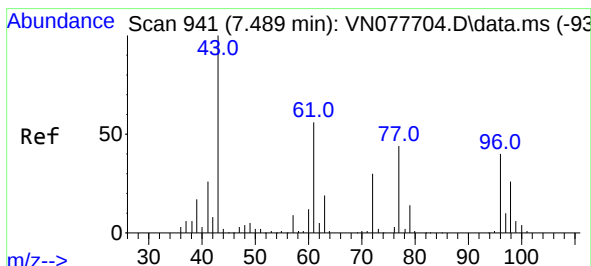
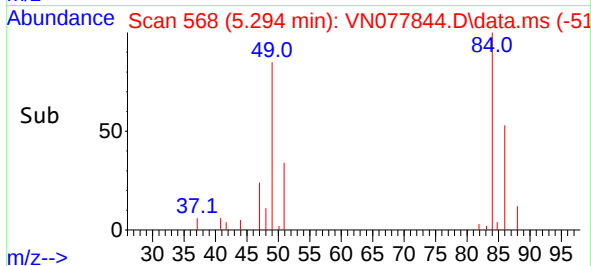
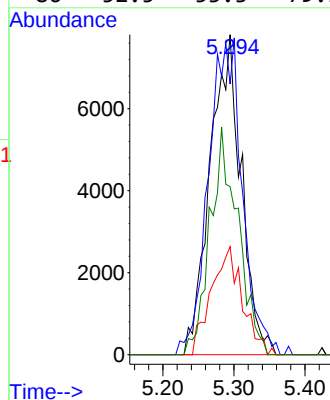
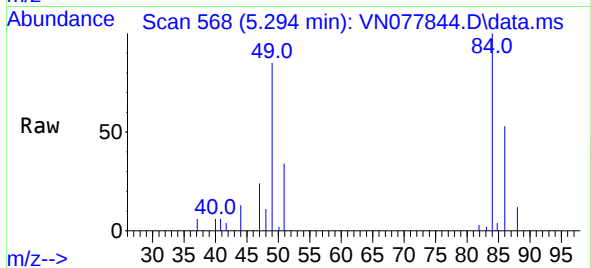


#20
Methylene Chloride
Concen: 3.124 ug/l
RT: 5.294 min Scan# 51
Delta R.T. 0.011 min
Lab File: VN077844.D
Acq: 24 May 2023 06:37

Instrument :
MSVOA_N
ClientSampleId :
PB152982ZHE#06

Tgt Ion: 84 Resp: 23774

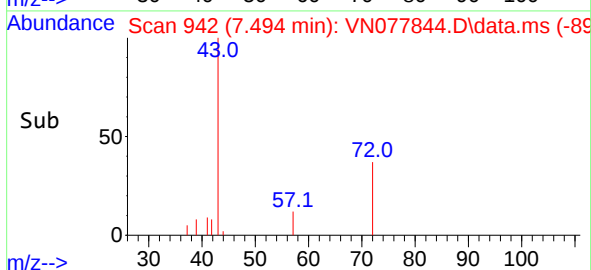
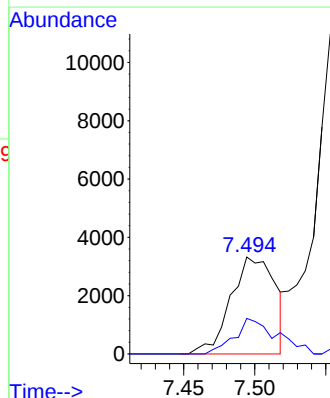
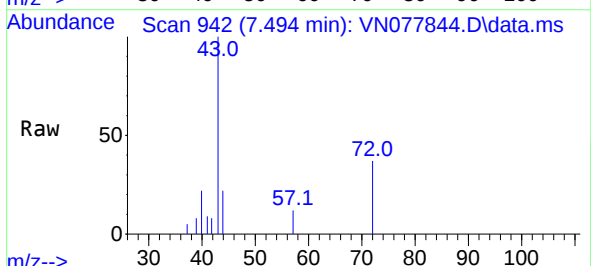
Ion	Ratio	Lower	Upper
84	100		
49	84.6	79.7	119.5
51	33.8	25.2	37.8
86	52.5	53.3	79.9#

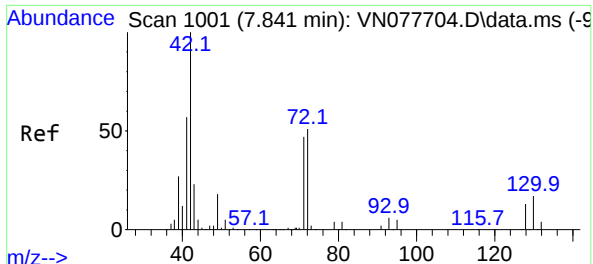


#25
2-Butanone
Concen: 2.515 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.006 min
Lab File: VN077844.D
Acq: 24 May 2023 06:37

Tgt Ion: 43 Resp: 7220

Ion	Ratio	Lower	Upper
43	100		
72	36.6	30.2	45.2





#29

Tetrahydrofuran

Concen: 0.408 ug/l

RT: 7.847 min Scan# 1069

Delta R.T. 0.006 min

Lab File: VN077844.D

Acq: 24 May 2023 06:37

Instrument :

MSVOA_N

ClientSampleId :

PB152982ZHE#06

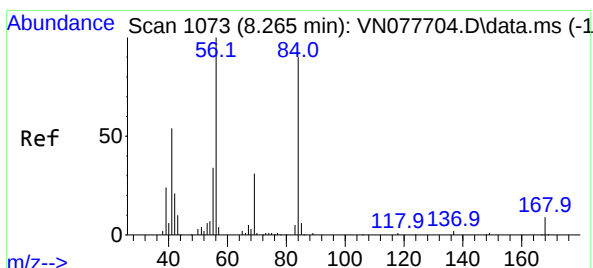
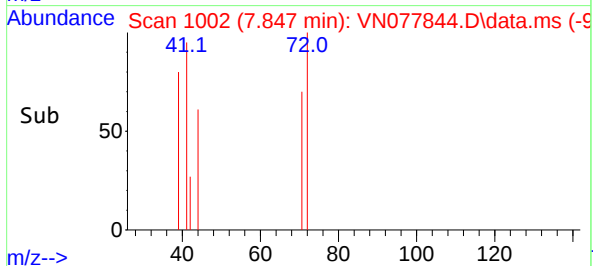
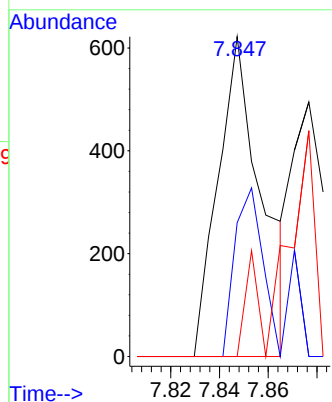
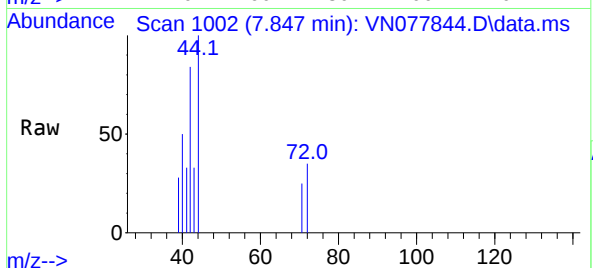
Tgt Ion: 42 Resp: 767

Ion Ratio Lower Upper

42 100

72 34.2 49.8 74.6#

71 0.0 47.4 71.2#



#31

Cyclohexane

Concen: 1.175 ug/l

RT: 8.241 min Scan# 1069

Delta R.T. -0.024 min

Lab File: VN077844.D

Acq: 24 May 2023 06:37

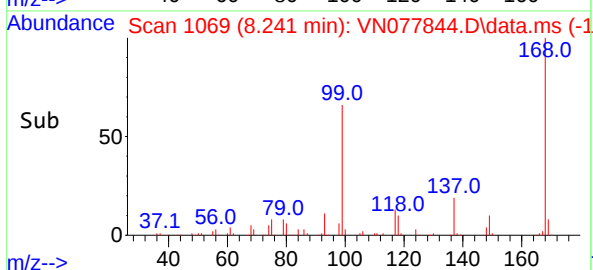
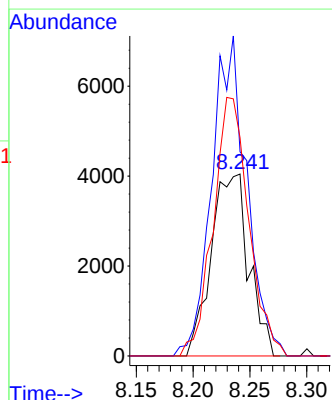
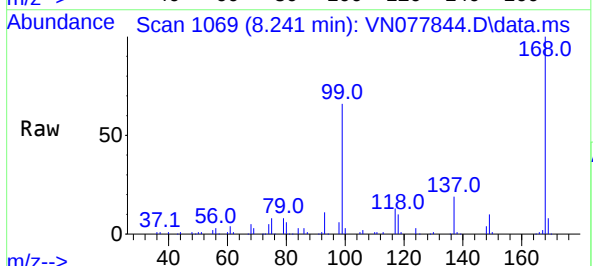
Tgt Ion: 56 Resp: 9321

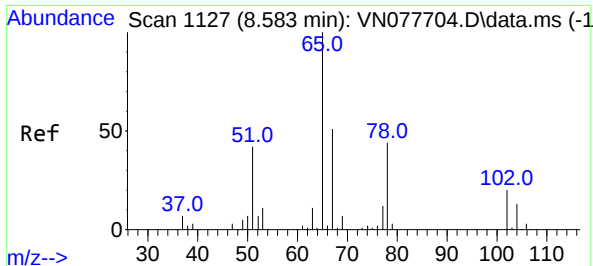
Ion Ratio Lower Upper

56 100

69 107.2 26.8 40.2#

84 120.0 81.8 122.6

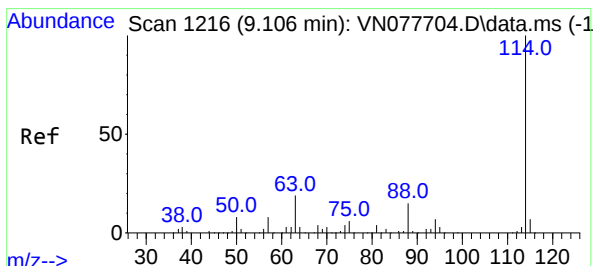
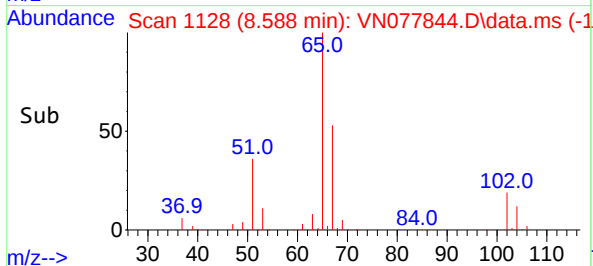
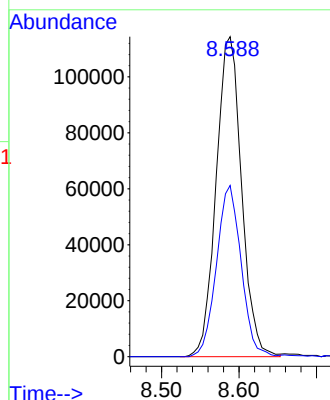
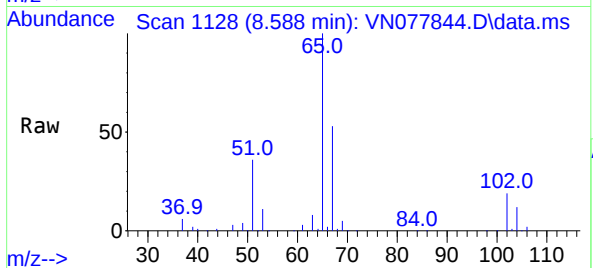




#33
1,2-Dichloroethane-d4
Concen: 44.713 ug/l
RT: 8.588 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN077844.D
Acq: 24 May 2023 06:37

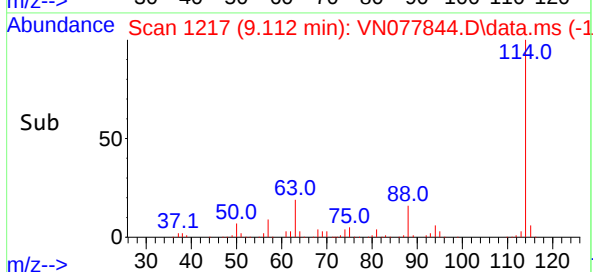
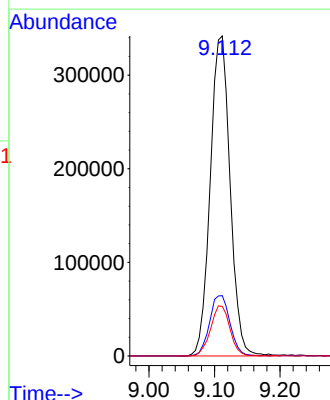
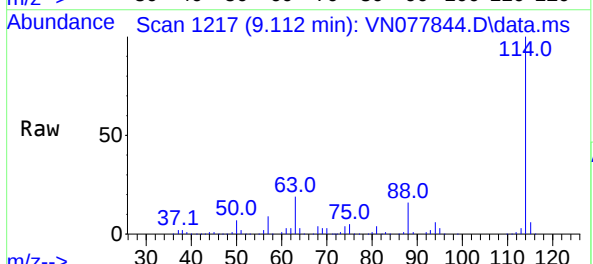
Instrument :
MSVOA_N
ClientSampleId :
PB152982ZHE#06

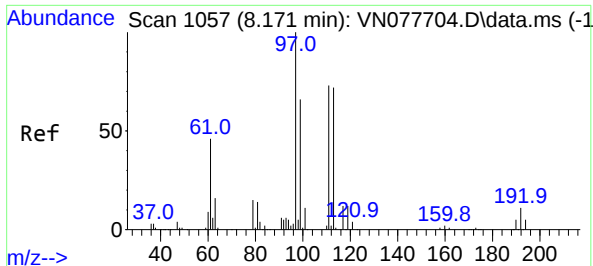
Tgt Ion: 65 Resp: 260861
Ion Ratio Lower Upper
65 100
67 51.8 0.0 106.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.112 min Scan# 1217
Delta R.T. 0.006 min
Lab File: VN077844.D
Acq: 24 May 2023 06:37

Tgt Ion: 114 Resp: 718521
Ion Ratio Lower Upper
114 100
63 18.9 0.0 36.4
88 15.5 0.0 30.6

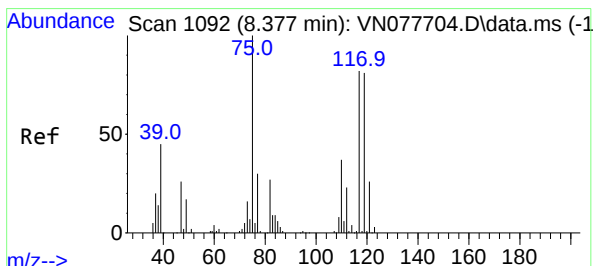
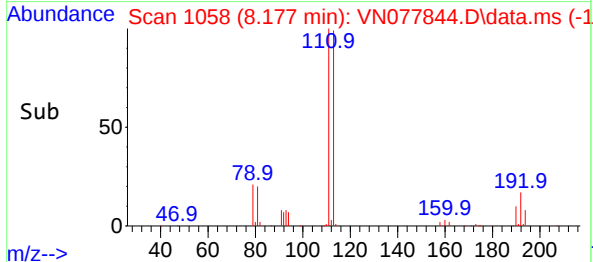
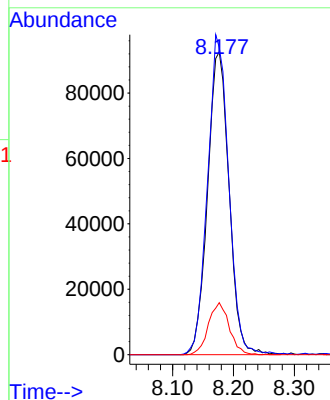
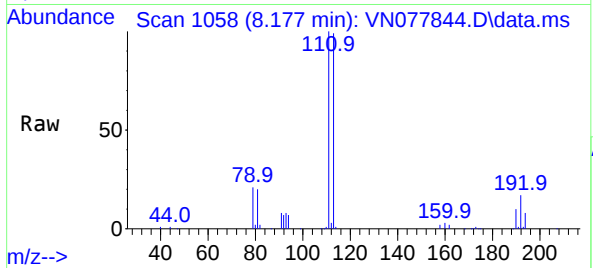




#35
Dibromofluoromethane
Concen: 48.480 ug/l
RT: 8.177 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN077844.D
Acq: 24 May 2023 06:37

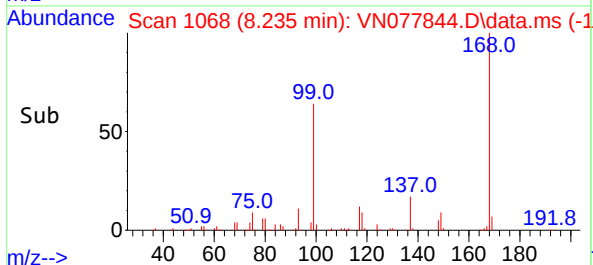
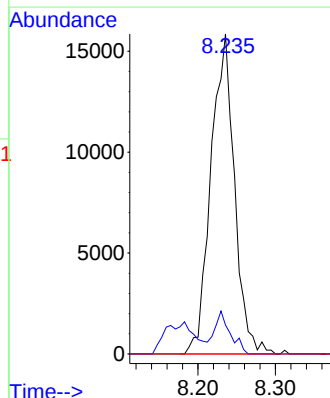
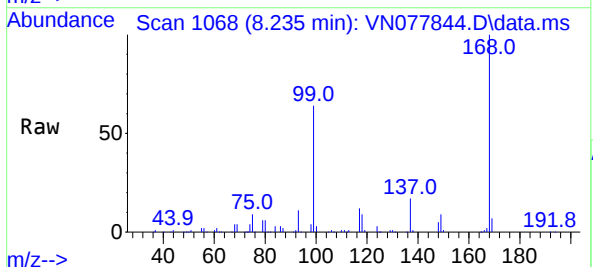
Instrument :
MSVOA_N
ClientSampleId :
PB152982ZHE#06

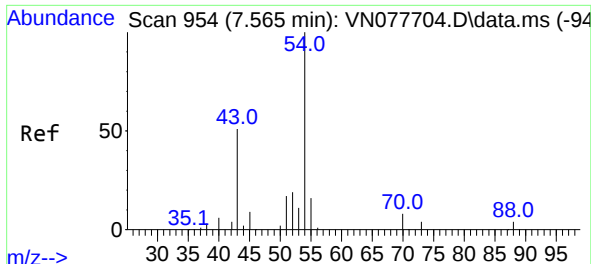
Tgt Ion:113 Resp: 227150
Ion Ratio Lower Upper
113 100
111 104.0 82.6 123.8
192 16.6 12.7 19.1



#36
1,1-Dichloropropene
Concen: 4.886 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.142 min
Lab File: VN077844.D
Acq: 24 May 2023 06:37

Tgt Ion: 75 Resp: 33481
Ion Ratio Lower Upper
75 100
110 8.9 19.1 57.3#
77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 10.245 ug/l

RT: 7.571 min Scan# 91

Delta R.T. 0.006 min

Lab File: VN077844.D

Acq: 24 May 2023 06:37

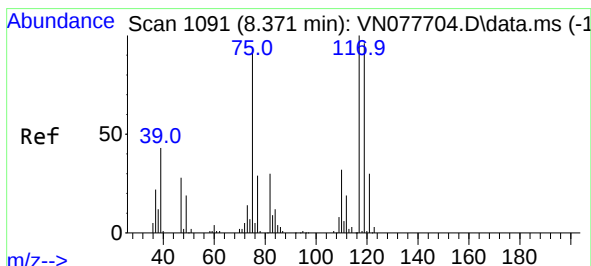
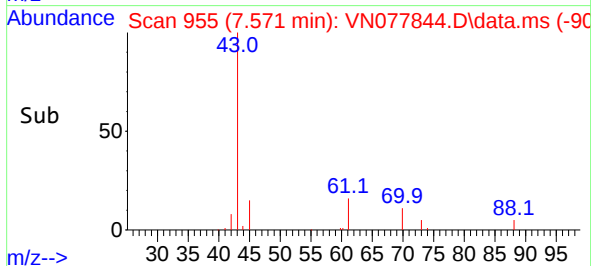
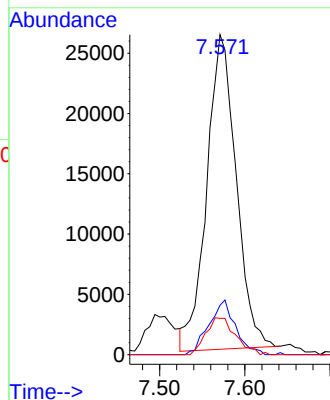
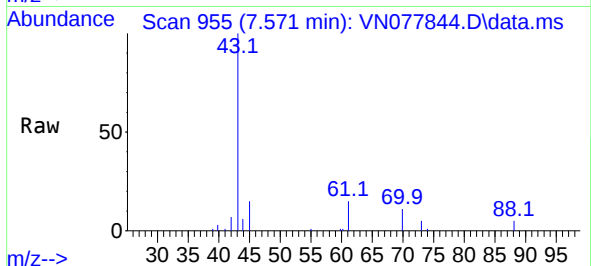
Instrument :

MSVOA_N

ClientSampleId :

PB152982ZHE#06

Tgt Ion: 43	Resp: 62580
Ion Ratio	Lower Upper
43 100	
61 15.7	13.2 19.8
70 11.8	11.3 16.9



#38

Carbon Tetrachloride

Concen: 6.329 ug/l

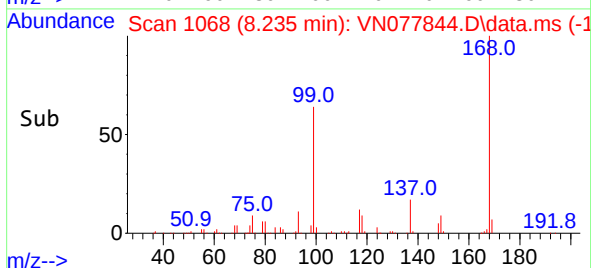
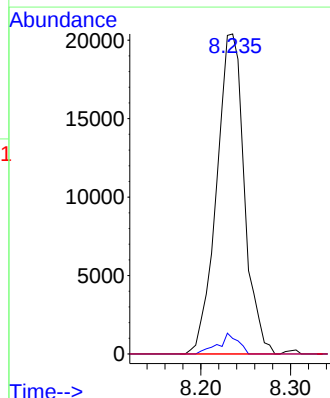
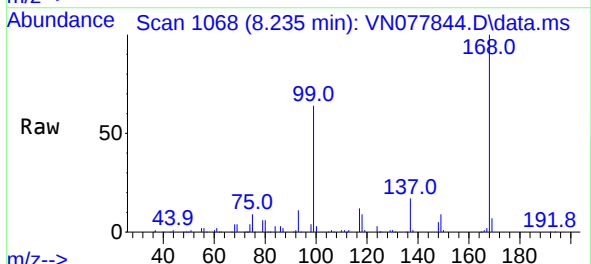
RT: 8.235 min Scan# 1068

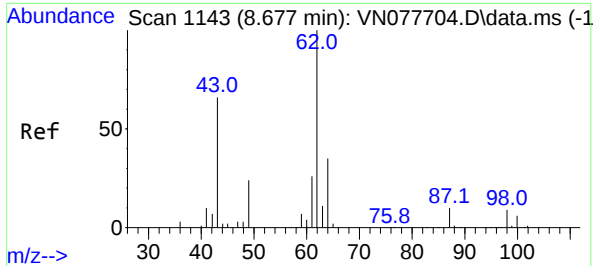
Delta R.T. -0.136 min

Lab File: VN077844.D

Acq: 24 May 2023 06:37

Tgt Ion:117	Resp:	43796	
Ion	Ratio	Lower	Upper
117	100		
119	4.9	77.3	115.9#
121	0.0	23.3	34.9#

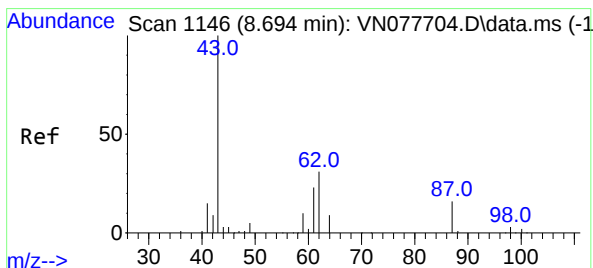
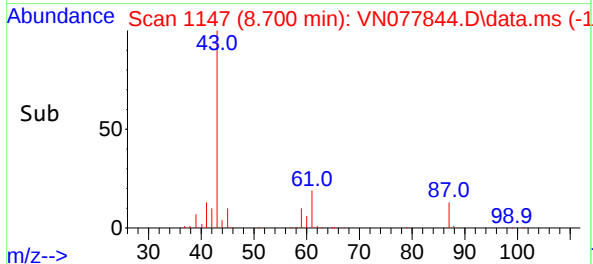
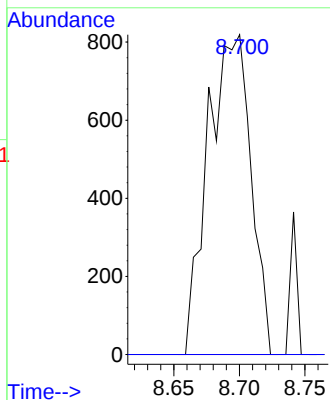
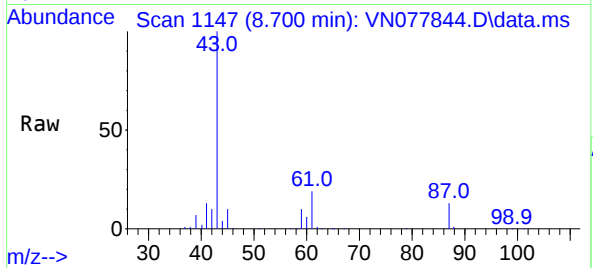




#42
1,2-Dichloroethane
Concen: 0.254 ug/l
RT: 8.700 min Scan# 1147
Delta R.T. 0.023 min
Lab File: VN077844.D
Acq: 24 May 2023 06:37

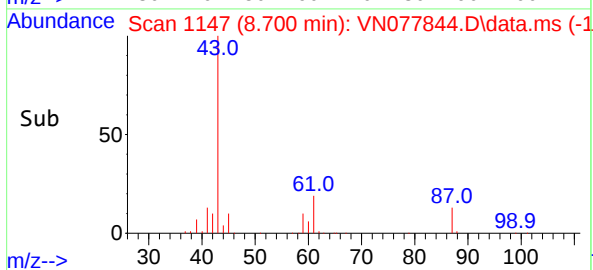
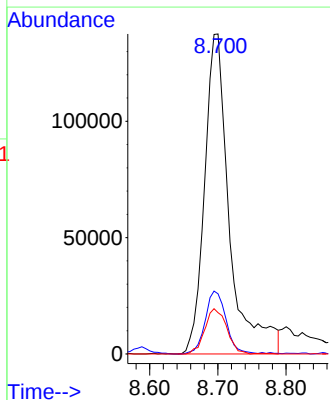
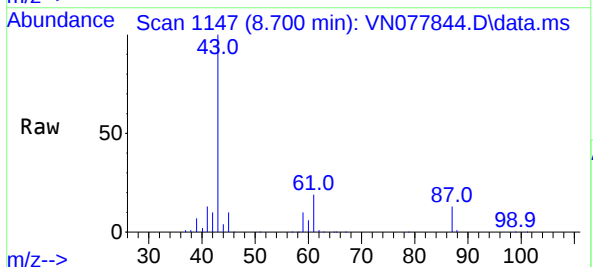
Instrument :
MSVOA_N
ClientSampleId :
PB152982ZHE#06

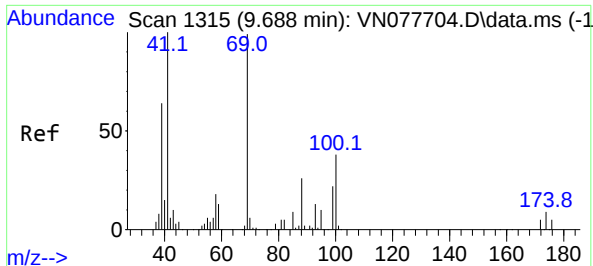
Tgt Ion: 62 Resp: 1869
Ion Ratio Lower Upper
62 100
98 0.0 0.0 19.8



#43
Isopropyl Acetate
Concen: 35.118 ug/l
RT: 8.700 min Scan# 1147
Delta R.T. 0.006 min
Lab File: VN077844.D
Acq: 24 May 2023 06:37

Tgt Ion: 43 Resp: 350379
Ion Ratio Lower Upper
43 100
61 16.4 24.7 37.1#
87 12.4 14.6 21.8#

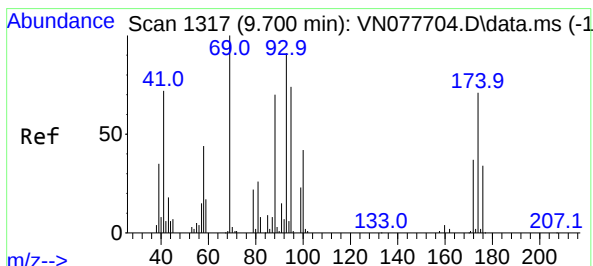
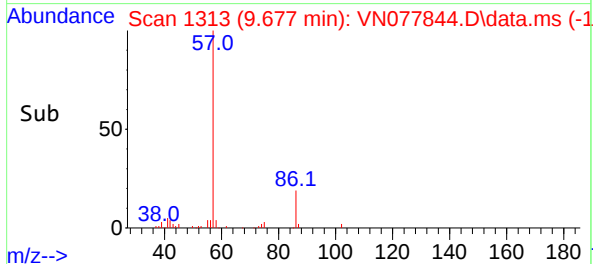
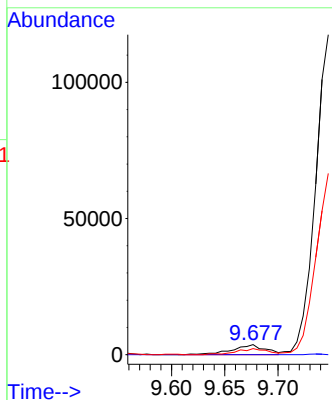
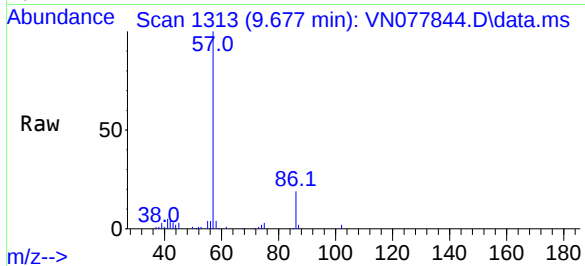




#48
Methyl methacrylate
Concen: 1.676 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. -0.011 min
Lab File: VN077844.D
Acq: 24 May 2023 06:37

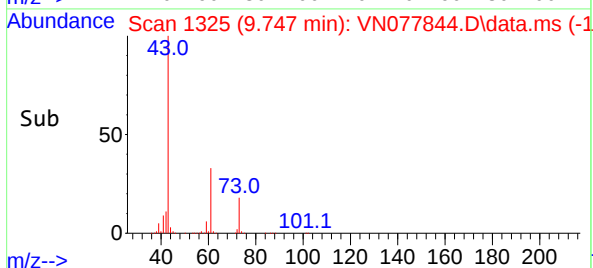
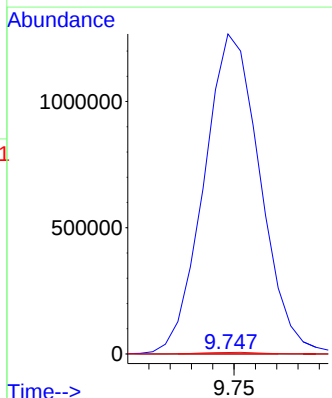
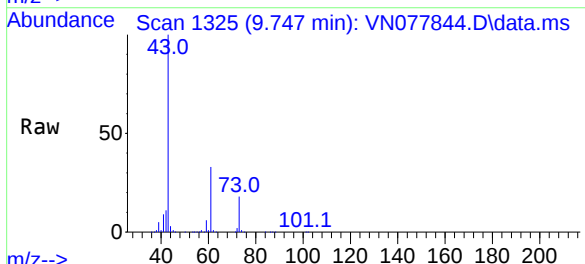
Instrument :
MSVOA_N
ClientSampleId :
PB152982ZHE#06

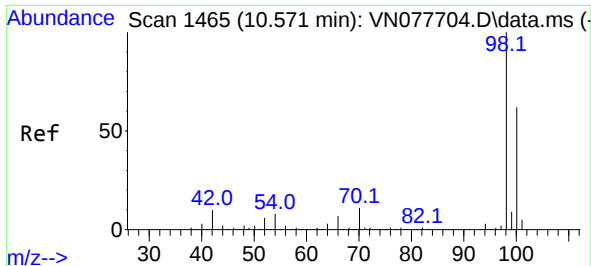
Tgt Ion: 41 Resp: 7927
Ion Ratio Lower Upper
41 100
69 0.0 90.4 135.6#
39 56.2 54.6 81.8



#49
1,4-Dioxane
Concen: 3.671 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.053 min
Lab File: VN077844.D
Acq: 24 May 2023 06:37

Tgt Ion: 88 Resp: 328
Ion Ratio Lower Upper
88 100
43 716611.0 17.0 25.6#
58 3648.8 47.0 70.4#

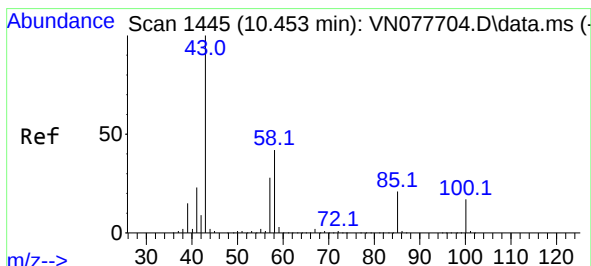
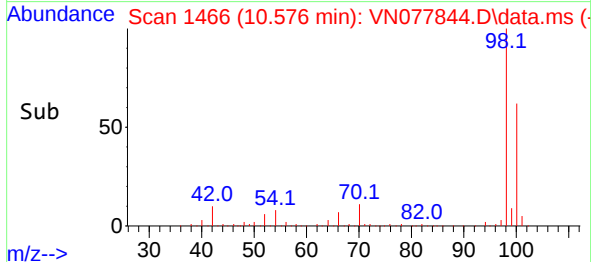
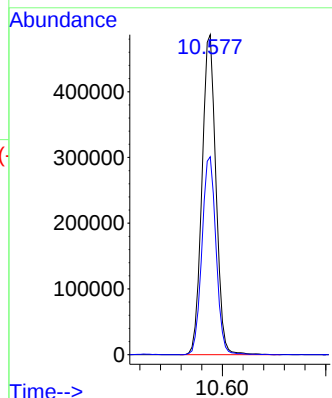
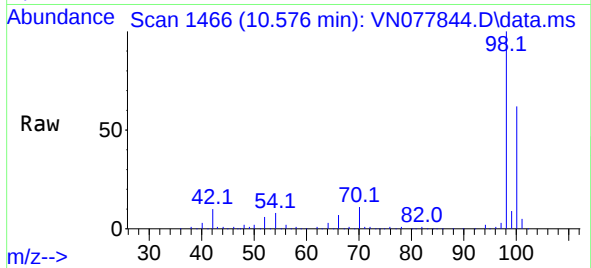




#50
Toluene-d8
Concen: 50.470 ug/l
RT: 10.576 min Scan# 1465
Delta R.T. 0.005 min
Lab File: VN077844.D
Acq: 24 May 2023 06:37

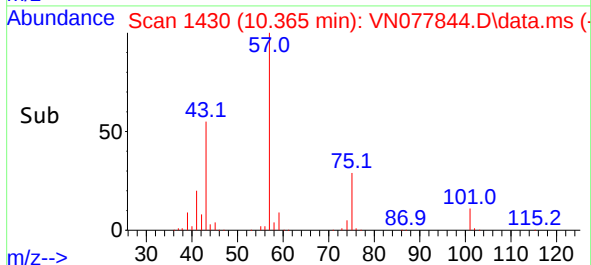
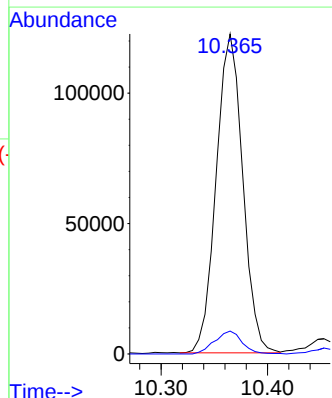
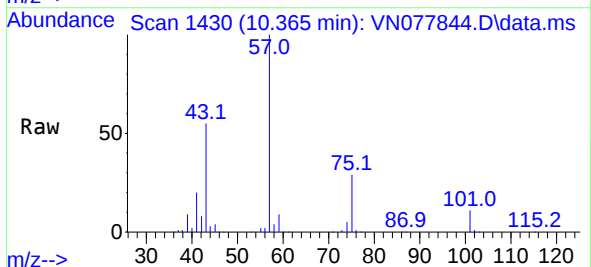
Instrument :
MSVOA_N
ClientSampleId :
PB152982ZHE#06

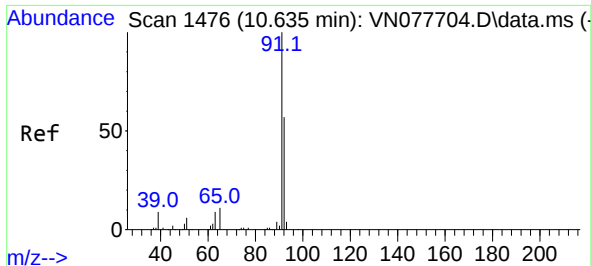
Tgt Ion: 98 Resp: 910191
Ion Ratio Lower Upper
98 100
100 62.6 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 35.605 ug/l
RT: 10.365 min Scan# 1430
Delta R.T. -0.082 min
Lab File: VN077844.D
Acq: 24 May 2023 06:37

Tgt Ion: 43 Resp: 211156
Ion Ratio Lower Upper
43 100
58 7.4 36.6 54.8#

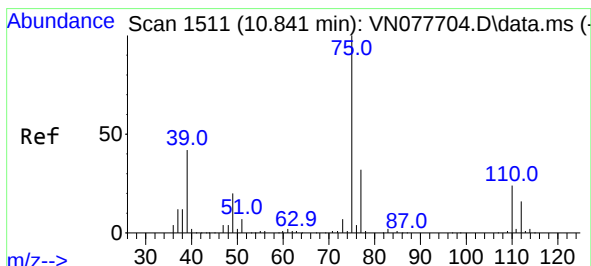
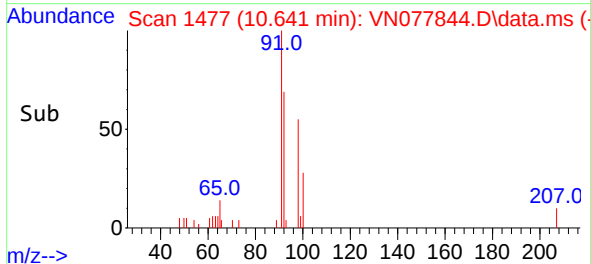
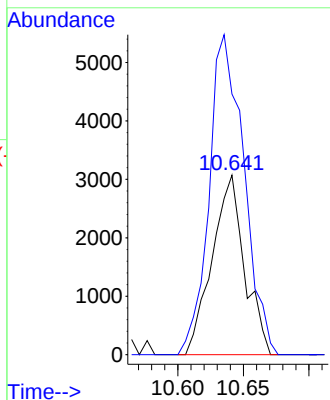
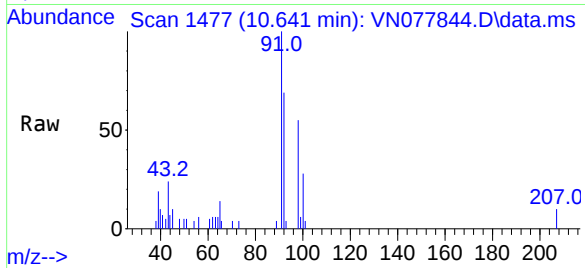




#52
Toluene
Concen: 0.419 ug/l
RT: 10.641 min Scan# 1476
Delta R.T. 0.006 min
Lab File: VN077844.D
Acq: 24 May 2023 06:37

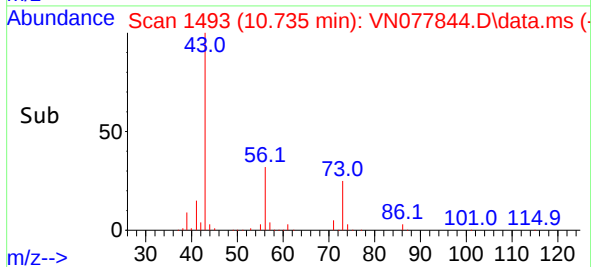
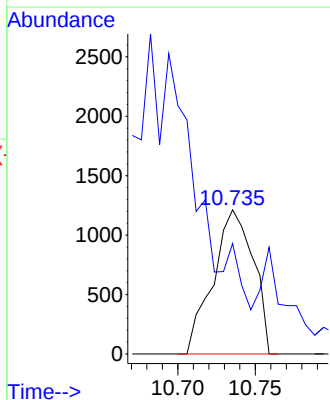
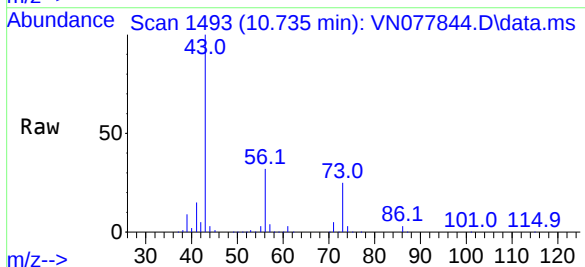
Instrument :
MSVOA_N
ClientSampleId :
PB152982ZHE#06

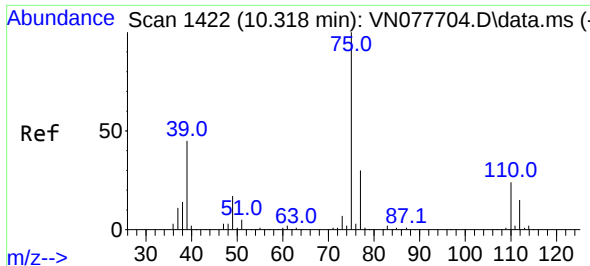
Tgt Ion: 92 Resp: 5281
Ion Ratio Lower Upper
92 100
91 191.5 137.4 206.0



#53
t-1,3-Dichloropropene
Concen: 0.293 ug/l
RT: 10.735 min Scan# 1493
Delta R.T. -0.106 min
Lab File: VN077844.D
Acq: 24 May 2023 06:37

Tgt Ion: 75 Resp: 2194
Ion Ratio Lower Upper
75 100
77 42.1 25.4 38.0#

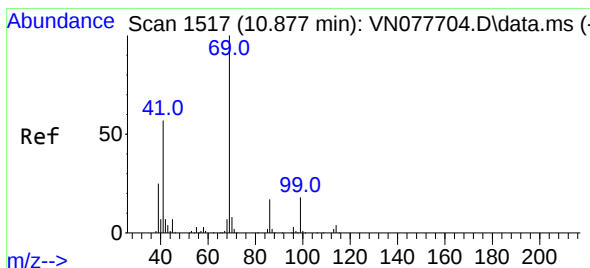
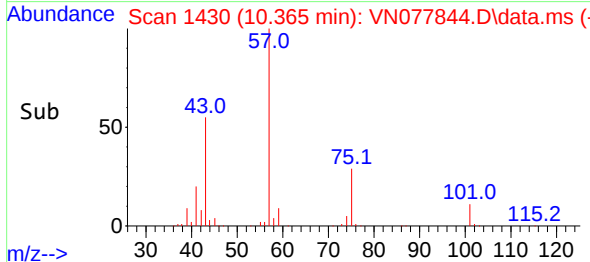
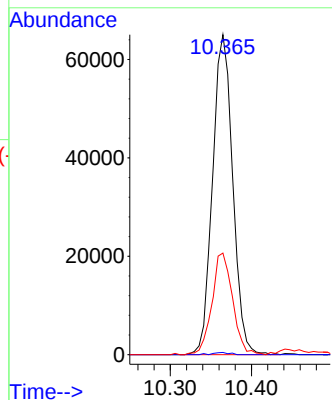
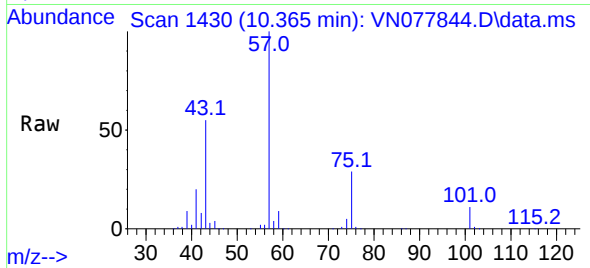




#54
cis-1,3-Dichloropropene
Concen: 13.610 ug/l
RT: 10.365 min Scan# 14
Delta R.T. 0.047 min
Lab File: VN077844.D
Acq: 24 May 2023 06:37

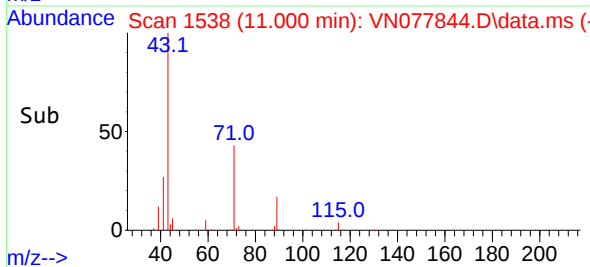
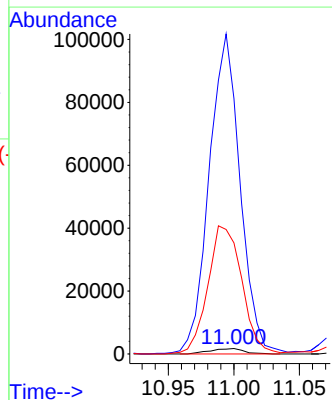
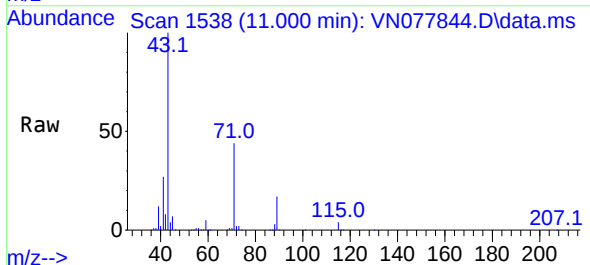
Instrument :
MSVOA_N
ClientSampleId :
PB152982ZHE#06

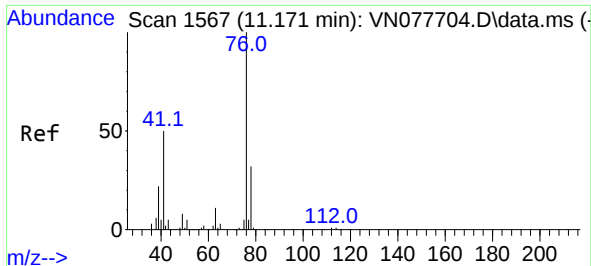
Tgt Ion: 75 Resp: 112243
Ion Ratio Lower Upper
75 100
77 0.7 26.1 39.1#
39 31.8 31.6 47.4



#56
Ethyl methacrylate
Concen: 0.406 ug/l
RT: 11.000 min Scan# 1538
Delta R.T. 0.118 min
Lab File: VN077844.D
Acq: 24 May 2023 06:37

Tgt Ion: 69 Resp: 3071
Ion Ratio Lower Upper
69 100
41 5452.8 39.6 59.4#
39 2391.8 28.6 43.0#

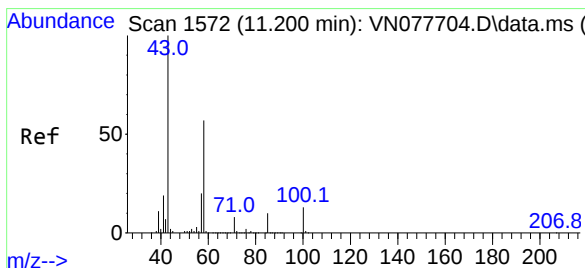
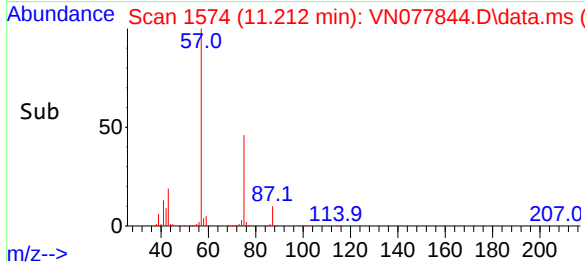
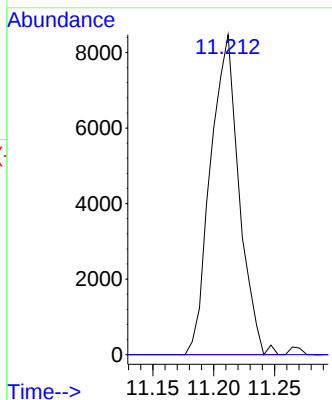
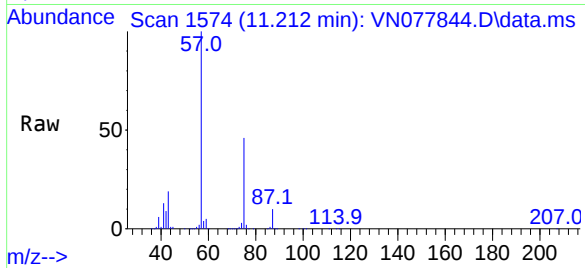




#57
1,3-Dichloropropane
Concen: 1.614 ug/l
RT: 11.212 min Scan# 11
Delta R.T. 0.041 min
Lab File: VN077844.D
Acq: 24 May 2023 06:37

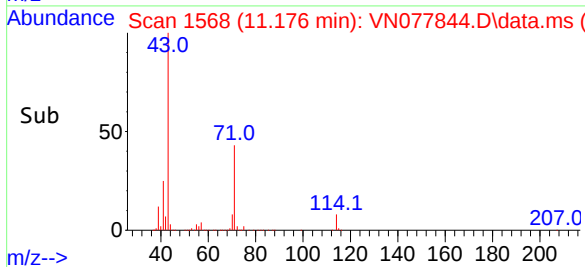
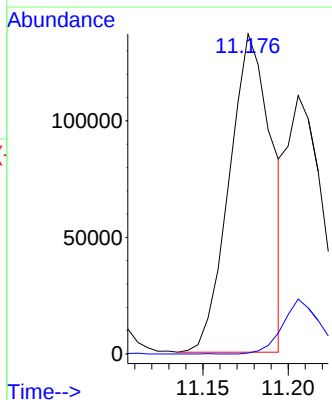
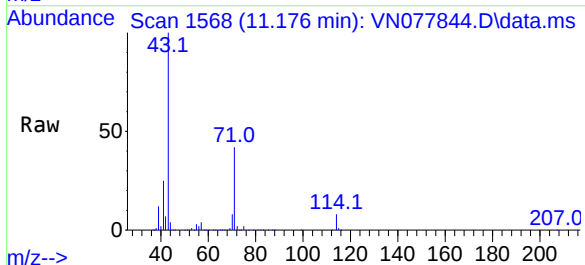
Instrument :
MSVOA_N
ClientSampleId :
PB152982ZHE#06

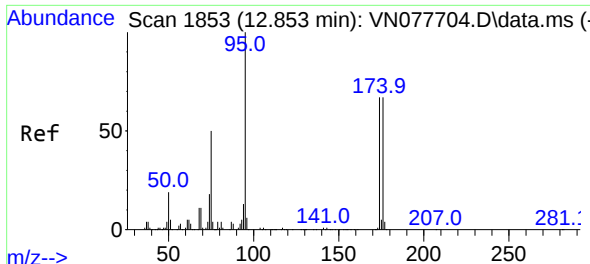
Tgt Ion: 76 Resp: 13836
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#



#59
2-Hexanone
Concen: 53.927 ug/l
RT: 11.176 min Scan# 1568
Delta R.T. -0.024 min
Lab File: VN077844.D
Acq: 24 May 2023 06:37

Tgt Ion: 43 Resp: 236558
Ion Ratio Lower Upper
43 100
58 0.0 31.7 95.1#

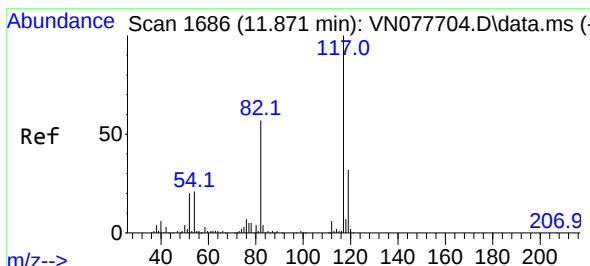
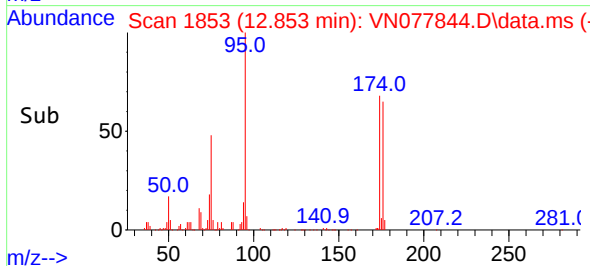
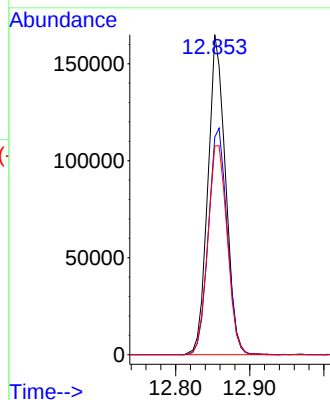
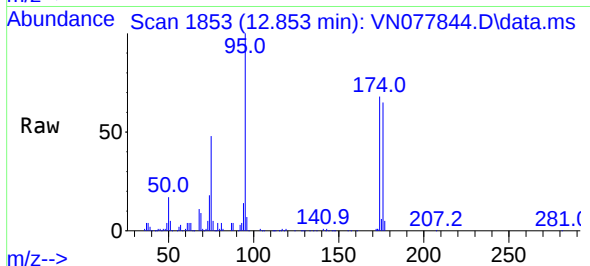




#62
4-Bromofluorobenzene
Concen: 42.724 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN077844.D
Acq: 24 May 2023 06:37

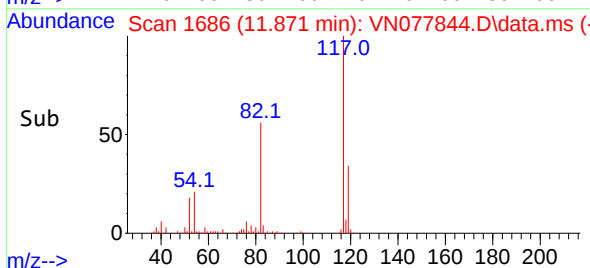
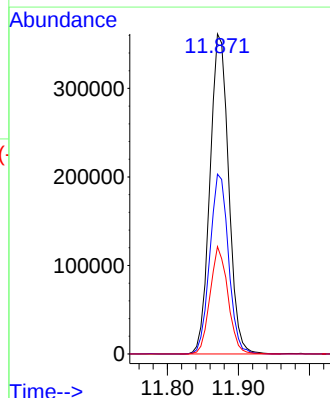
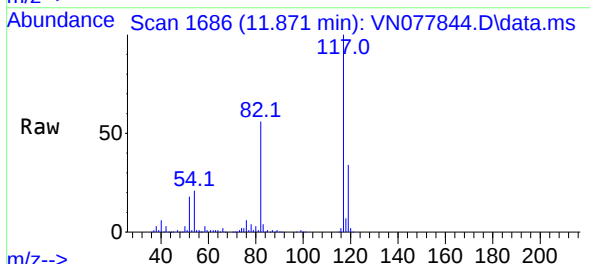
Instrument :
MSVOA_N
ClientSampleId :
PB152982ZHE#06

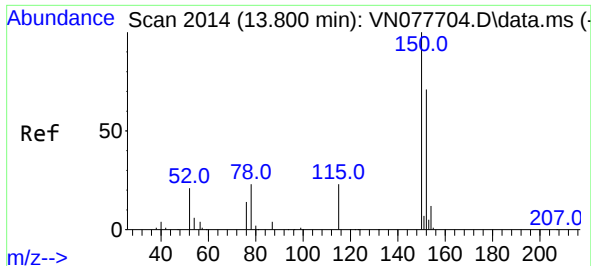
Tgt Ion: 95 Resp: 272126
Ion Ratio Lower Upper
95 100
174 75.5 0.0 143.8
176 72.1 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.001 min
Lab File: VN077844.D
Acq: 24 May 2023 06:37

Tgt Ion: 117 Resp: 658447
Ion Ratio Lower Upper
117 100
82 56.2 44.0 66.0
119 33.6 25.6 38.4

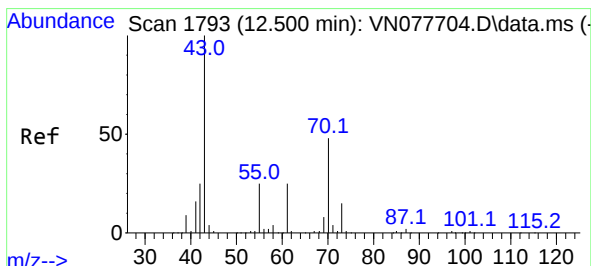
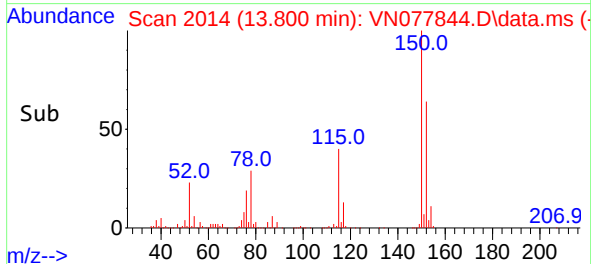
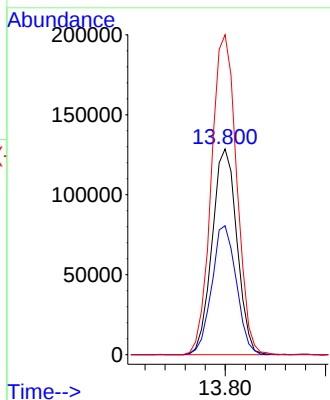
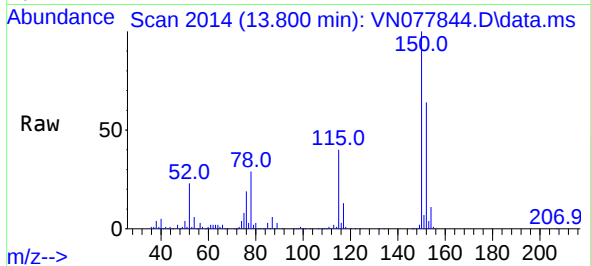




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.800 min Scan# 2014
Delta R.T. -0.000 min
Lab File: VN077844.D
Acq: 24 May 2023 06:37

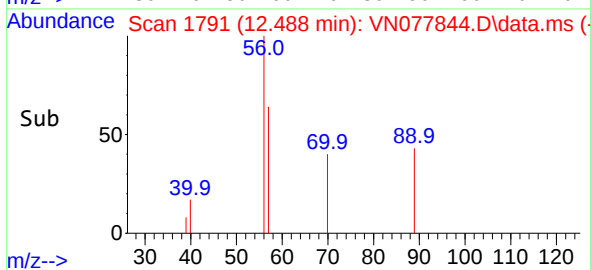
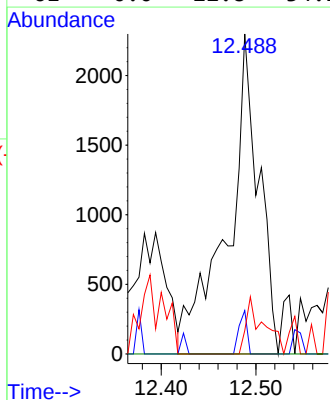
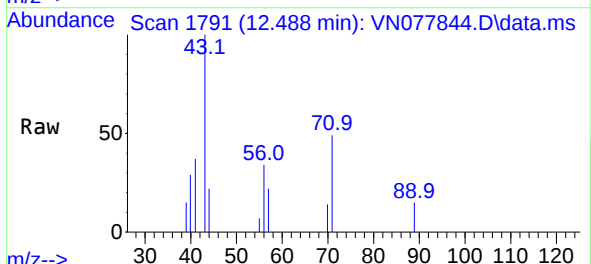
Instrument :
MSVOA_N
ClientSampleId :
PB152982ZHE#06

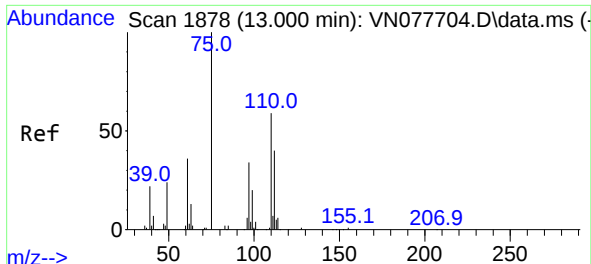
Tgt Ion:152 Resp: 220852
Ion Ratio Lower Upper
152 100
115 62.1 32.3 96.8
150 158.9 0.0 355.8



#74
N-ethyl acetate
Concen: 0.747 ug/l
RT: 12.488 min Scan# 1791
Delta R.T. -0.012 min
Lab File: VN077844.D
Acq: 24 May 2023 06:37

Tgt Ion: 43 Resp: 5254
Ion Ratio Lower Upper
43 100
70 3.4 43.4 65.2#
55 10.1 21.4 32.0#
61 0.0 22.8 34.2#

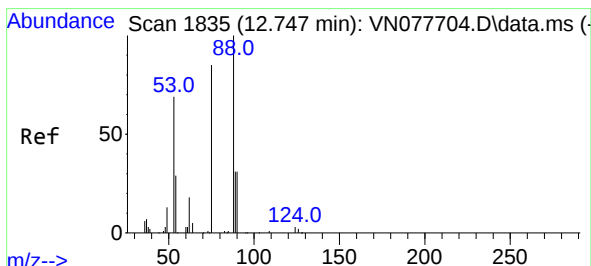
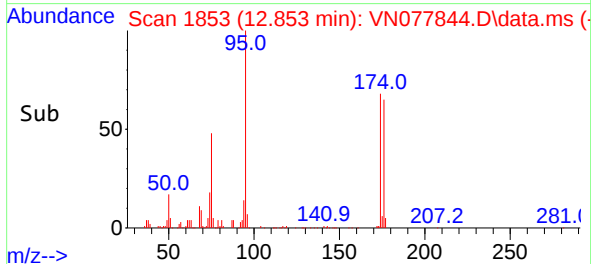
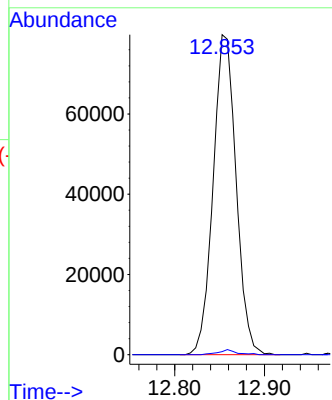
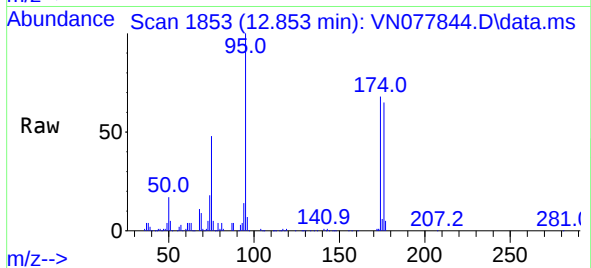




#76
1,2,3-Trichloropropane
Concen: 25.627 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN077844.D
Acq: 24 May 2023 06:37

Instrument :
MSVOA_N
ClientSampleId :
PB152982ZHE#06

Tgt Ion: 75 Resp: 141742
Ion Ratio Lower Upper
75 100
77 1.2 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 81.918 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN077844.D
Acq: 24 May 2023 06:37

Tgt Ion: 75 Resp: 141742
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#

